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EXPRESS MAIL NO. EK102717732US  
28 JUN 2001

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Anna Edman Örlefors, et al.

Docket No.: P02216US0

Application No.: Not Yet Assigned

Group Art Unit: N/A

Filed: June 28, 2001

Examiner: Not Yet Assigned

For: **METHOD FOR SEQUENCING DNA USING  
A MICROFLUIDIC DEVICE**

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
Washington, DC 20231

Dear Sir:

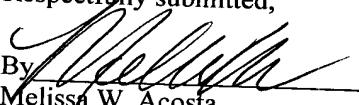
Applicants file the following Information Disclosure Statement prior to receipt of the first Office Action in the above referenced file. Attached to this letter is a PTO form 1499 listing the references as well as copies of the references. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicants do not believe that any fees are due for this filing. If Applicants are in error, the Commissioner is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 06-2375, under Order No. 10104789. A duplicate copy of this paper is enclosed.

Dated: June 28, 2001

Respectfully submitted,

By   
Melissa W. Acosta

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## PCT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>PU9844</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/EP 99/ 10347</b>	International filing date (day/month/year) <b>23/12/1999</b>	(Earliest) Priority Date (day/month/year) <b>30/12/1998</b>
Applicant <b>AMERSHAM PHARMACIA BIOTECH AB et al</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
  - the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :
  - contained in the international application in written form.
  - filed together with the international application in computer readable form.
  - furnished subsequently to this Authority in written form.
  - furnished subsequently to this Authority in computer readable form.
  - the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
  - the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2.  **Certain claims were found unsearchable** (See Box I).

3.  **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

- the text is approved as submitted by the applicant.
- the text has been established by this Authority to read as follows:

**METHOD FOR SEQUENCING DNA USING A MICROFLUIDIC DEVICE**

5. With regard to the **abstract**,

- the text is approved as submitted by the applicant.
- the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

- as suggested by the applicant.
- because the applicant failed to suggest a figure.
- because this figure better characterizes the invention.

None of the figures.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 99/10347

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC 7 C12Q1/68 B01L3/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12Q B01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 98 55653 A (NEXSTAR PHARMACEUTICALS INC) 10 December 1998 (1998-12-10) page 4 -page 5, line 22; claims 1,34 ---	1-7
A	WO 98 28440 A (DZIEGLEWSKA HANNA EVA ;PYROSEQUENCING AB (SE); NYREN PAAL (SE)) 2 July 1998 (1998-07-02) claims 1,6,7,15 ---	1-7
A	WO 98 07019 A (KIEFFER HIGGINS STEPHEN G ;MIAN ALEC (US); KELLOGG GREGORY (US); G) 19 February 1998 (1998-02-19) figures 11A-11E ---	1,2,8
A	WO 97 47761 A (SARNOFF CORP) 18 December 1997 (1997-12-18) page 11, paragraph 3; claims 1-13 ---	1-7
		-/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## ° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

17 April 2000

Date of mailing of the international search report

26/04/2000

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Authorized officer

Osborne, H

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 99/10347

C:(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 97 22825 A (NEUKERMANS ARMAND P) 26 June 1997 (1997-06-26) ----	
A	WO 98 45481 A (KNAPP MICHAEL ; BOUSSE LUC J (US); CALIPER TECHN CORP (US); KOPF SI) 15 October 1998 (1998-10-15) ----	
A	WO 97 21090 A (GAMERA BIOSCIENCE) 12 June 1997 (1997-06-12) cited in the application claims 46,57; figures 17A-E -----	1,2,8

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No.

PCT/EP 99/10347

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
WO 9855653	A 10-12-1998	AU	7813698 A	21-12-1998
WO 9828440	A 02-07-1998	AU EP	5331198 A 0946752 A	17-07-1998 06-10-1999
WO 9807019	A 19-02-1998	AU EP AU AU CA CN EP NO WO	4144897 A 0917648 A 702403 B 1283397 A 2239613 A 1208464 A 0865606 A 982563 A 9721090 A	06-03-1998 26-05-1999 18-02-1999 27-06-1997 12-06-1997 17-02-1999 23-09-1998 05-08-1998 12-06-1997
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WO 9722825	A 26-06-1997	EP	0862708 A	09-09-1998
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